SONY

4-227-952-**13**(1)

Remote Commander

Operating Instructions

RM-LJ304

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Precautions

On safety
Should any solid object or liquid fall into the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

On operation
Before connecting other components, be sure to turn off and unplug the receiver.

On cleaning
Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any question or problem concerning your receiver, please consult your nearest Sony dealer.

About This Manual

The instructions in this manual are for model RM-LJ304. Check your model number by looking at the lower left corner of the front side.

Conventions
The following icon is used in this manual:

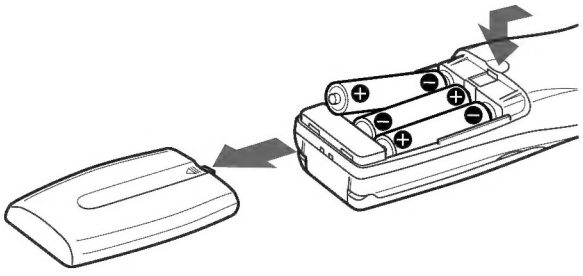
Indicates hints and tips for making the task easier.

Before You Use Your Remote

Check that you received the following item with the remote:
LR6 (size-AA) alkaline batteries (3)

Inserting batteries into the remote

Insert three LR6 (size-AA) alkaline batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor on the receiver.

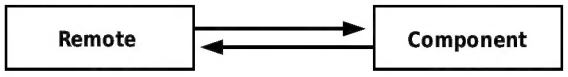


When to replace batteries
Under normal conditions, the batteries should last for about 3 months. When the remote no longer operates the receiver, replace all the batteries with new ones.

Notes
- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with old ones.
- Do not mix the alkaline batteries and other kinds of batteries. This remote is designed for use with the alkaline batteries only.
- Do not expose the remote sensor of the receiver to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Understanding the 2 way remote system

This remote operates under a 2 way remote system. With the two way remote system, the component responds to signals sent from the remote by sending additional signals (information about the status of the component, text data, etc.) back to the remote. Thus, operations are performed as a result of communication between the remote and the component.



When using a home entertainment system comprised of several components compatible with the 2 way remote system, please restrict 2 way remote system operation to a single component. Normally, turn off the 2 way remote system on all components except the receiver.
If you would like to turn off the receiver's 2 way remote system, see "Setting up the 2 way remote" in the operating instructions supplied with the receiver.

The COMMAND MODE

If the receiver's COMMAND MODE and the remote's COMMAND MODE do not match, transmission is not possible between the remote and the receiver. If you have not changed the COMMAND MODE of the remote and the receiver after purchase, it is not necessary to set the COMMAND MODE. For details, see page 21.

Setting up the remote

At the time of shipping, the remote has not been customized to your receiver yet. Before you use the remote for the first time, do the procedure below to set up the remote so that it can control your receiver properly.

1 Press I/⏻ on the receiver to turn it on.

2 Point the remote towards the receiver and press SOUND FIELD, FUNCTION, or SUB.
and appear in the display window of the remote while it communicates with the receiver and identifies the receiver model.
When the communication ends, the remote is customized and provides the operation lists that match your receiver.

TABLE OF CONTENTS

Location of Parts and Basic Remote Operations 4

Parts Description 4

Using the Lists 12

Chart of Lists 13
Selecting a Component 14
Selecting a Sound Field 15
Programming the Remote 16
Performing Several Commands in Sequence Automatically (Macro Play) 17
Learning the Commands of your components 18
Downloading Data From the Receiver 19
Other Operations 21

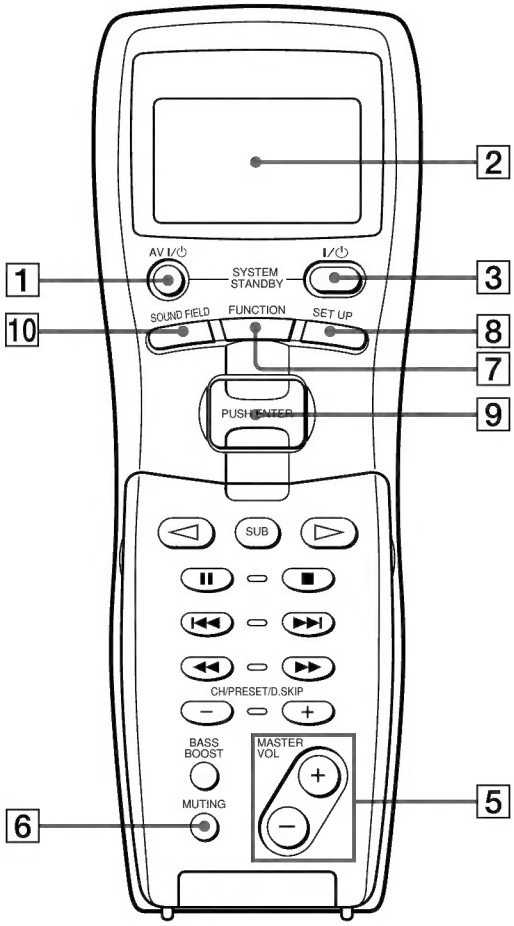
Additional Information 22

Troubleshooting 22
Specifications 23

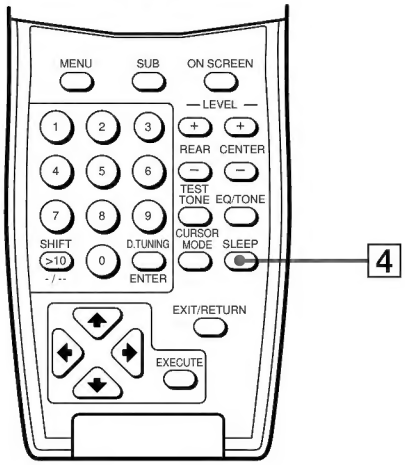
Location of Parts and Basic Remote Operations

This chapter provides information on the location of buttons and how to use them to perform basic operations. However, some functions explained in this section may not operate depending on the receiver.

Parts Description



Open up the cover.



1 AV I/⏻ switch

Press to turn on or off the components that the remote is programmed to operate. For details on programming procedure, see "Programming the Remote" on page 16.

If you press the I/⏻ switch (3) at the same time, it will turn off the main component and other Sony audio/video components (**SYSTEM STANDBY**).

Note

The function of the AV I/⏻ switch changes automatically each time you press the FUNCTION button (7). Depending on the component, the above operation may not be possible or may operate differently than described.

2 Display window

The current status of the selected component or a list of selectable items appears here.

Note

Characters other than letters of the alphabet or numbers may be displayed incorrectly on the remote, even if they appear correctly in the display window on the main unit.

3 I/⏻ switch

Press to turn the receiver on or off.

Note

Before you turn on the receiver, make sure that you have turned the MASTER VOLUME control on the receiver to the leftmost position to avoid damaging your speakers.

4 SLEEP button

Press repeatedly to activate the sleep function and select the duration after which the receiver turns off automatically.

5 MASTER VOL +/- buttons

Press to adjust the volume level of all speakers at the same time.

6 MUTING button

Press to mute the sound. The MUTING indicator on the receiver lights up when the sound is muted.

7 FUNCTION button

Press to display the function (component) list. Press again to revert back to the component information.

See the table on page 9 for information on the buttons you can use to control each component.

If you want to change the contents of the function list to match your particular components, do the procedure "Programming the Remote" on page 16.

8 SET UP button

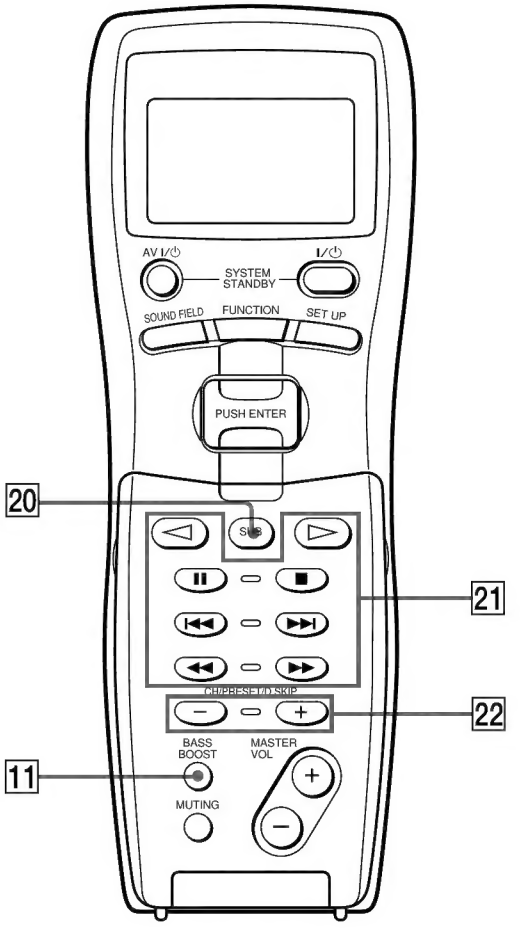
Press to display the set up list. Press again to revert back to the component information.

9 Easy scroll key

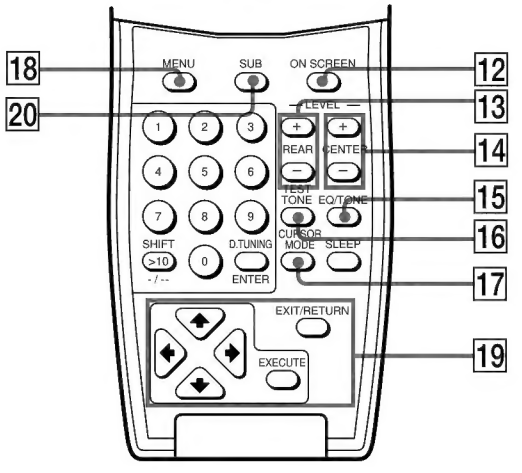
While displaying a list, move up or down to select an item from the list, and then press to enter the selection.

10 SOUND FIELD button

Press to display the sound field list. Press again to revert back to the component information.



Open up the cover.



11 BASS BOOST button

Press to increase the bass of the front speakers. The BASS BOOST indicator on the receiver lights up when the function is turned on.

12 ON SCREEN button

For receivers with the on-screen function, press to turn on/off the menu display on the TV screen.

13 LEVEL REAR +/- buttons

Press to adjust the volume level of the rear speakers.

14 LEVEL CENTER +/- buttons

Press to adjust the volume level of the center speaker.

15 EQ/TONE button

Press to turn the equalizer or tone effect on or off. The TONE indicator on the receiver lights up when the effect is turned on.

Note that if you have adjusted the equalization or tone using the CURSOR MODE button and cursor buttons, the adjusted equalization or tone will be produced whenever you turn on the equalizer or tone effect.

16 TEST TONE button

Press to output a test tone.

17 CURSOR MODE button

Press repeatedly to select a cursor mode, SURROUND, BASS/TREBLE (EQ), etc. The indicator for the selected cursor mode lights up on the receiver.

18 MENU button

When you have selected the VCR, DVD player, or SAT tuner, press this button to display VCR, DVD, or SAT menu on the TV screen. Then use the cursor buttons to perform the menu operations (see "19 Cursor buttons (↑/↓/←/→)," "EXECUTE button," and "EXIT/RETURN button" on this page).

Note

When you have selected VCR, the remote is set to control the VCR that corresponds with VCR 1 after you press the MENU button. Before pressing the button, make sure to set the VCR input mode to VCR 1.

19 Cursor buttons (↑/↓/←/→)

After pressing the CURSOR MODE button or SET UP button on the receiver, use the cursor buttons to make specific settings. For details refer to the Operating Instructions supplied with your receiver.

To perform menu operations on the VCR, DVD player, or SAT tuner, do the procedure below. If you do not do this, the cursor buttons merely operate the receiver.

1 Press FUNCTION and move the easy scroll key to select the VCR, DVD player, or SAT tuner.

2 Open up the cover on the remote.
CURSOR TYPE list appears.
If the list has disappeared before you go on to Step 3, press any of the cursor buttons to restore the list.

3 Move the easy scroll key to select the component that you selected in Step 1, then press the key to enter the selection.

EXECUTE button

After pressing the MENU (or SAT guide), use the cursor buttons to select a menu item, then press the EXECUTE button to enter the selection.

EXIT/RETURN button

Press to return to the previous menu or exit the menu while VCR, DVD, or SAT menu or SAT guide is displayed on the TV screen.

20 SUB button

While operating a component, press to display a list of operations that the corresponding buttons are not found on the remote. Then move the easy scroll key to select the operation, and then press the key to enter the selection. Press again to revert back to the component information.

See the table on pages 10 and 11 for information on the operations that appear when you press the SUB button.

21 Tape/disc operation buttons

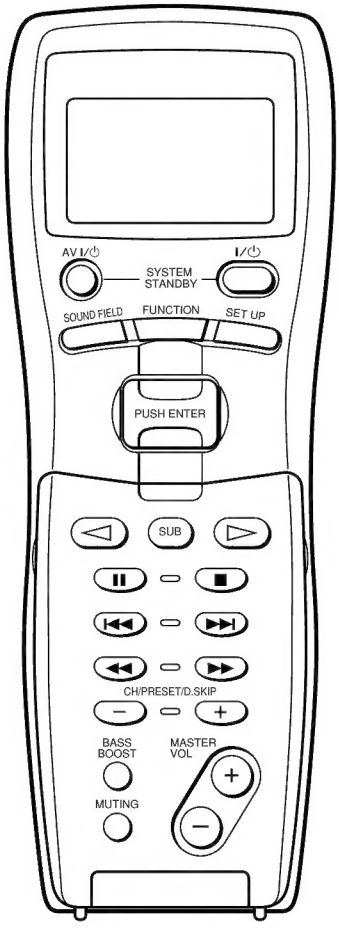
The following table shows what components are operated by each button and the function of the buttons.

Button(s)	Function
▷	Starts play of the playback medium
◁	Starts play on the reverse side of the cassette
❚❚	Pauses play or recording or starts recording when the component is in recording standby
■	Stops play
⏮/⏭	Skips tracks
◀◀/▶▶	Fastwinds or rewinds
	Searches tracks in the forward or backward direction

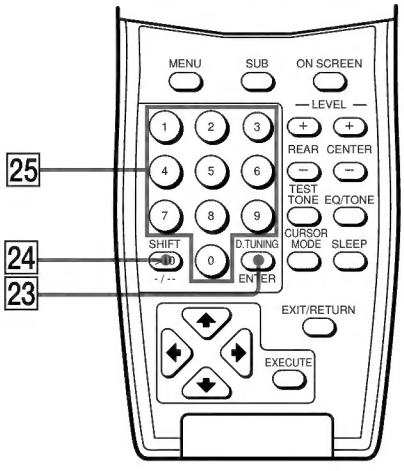
See the table on page 9 for information on the buttons that you can use to control each component.

22 CH/PRESET/D.SKIP +/- buttons

Press repeatedly to select a preset station, channel, track, or a disc.



Open up the cover.



23 D.TUNING ENTER button

If you have selected tuner:
Press to enter Direct Tuning mode. For details on Direct Tuning procedure, refer to the Operating Instructions supplied with your receiver.

If you have selected VCR, DVD player, LD player, TV, cable box, satellite tuner, MD deck, CD player, or DAT deck:
After selecting a channel, disc, or track using the numeric buttons, press this button to enter the selection. For details, refer to the operation manual supplied with the respective components.

24 SHIFT >10 -/-- button

If you have selected tuner:
Press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.

If you selected VCR, TV, tape deck, LD player, video CD player, MD deck, or CD player:
Press before inputting a channel, disc, or track number of eleven or higher. For details, refer to the operation manual supplied with the respective components.

25 Numeric buttons (1 to 0)

Inputs the correponding numeric value. On some components, pressing 0 selects 10. For details, refer to the operation manual supplied with the respective components.

Table of buttons used to control each component

When you program the remote to control the following Sony or non-Sony components, you can use the buttons on the remote that are marked with circles. Note, however, that some buttons may not operate your component.

Component / Button	VCR	Satellite tuner	DVD player	LD player	TV	Cable box	Tuner	Video CD player	CD player	MD deck	DAT deck	Tape deck (A and B)	Projector
AV I/⏻	●	●	●	●	●	●		●	●	●			
SUB[1]	●	●	●	●	●	●	●	●	●	●	●	●	●
◁												●	
▷	●		●	●				●	●	●	●	●	
▮▮	●		●	●				●	●	●	●	●	
■	●		●	●				●	●	●	●	●	
⏮/⏭	●		●	●				●	●	●	●	●[2]	
◀◀/▶▶	●		●	●				●	●	●	●	●	
CH	●	●			●	●							
PRESET							●						
D.SKIP +/–[3]			●					●	●	●			
Cursor buttons	●	●	●										●
MENU	●	●	●										
Numeric buttons	●	●	●	●	●		●	●	●	●	●	●	
SHIFT							●						
>10	●			●				●	●	●		●	
-/--					●								
D.TUNING							●						
ENTER	●	●	●	●	●				●	●	●	●[4]	●
EXIT		●											
RETURN			●	●				●					
EXECUTE	●	●	●										

[1] *For information on the operations that become available when you press the button, see the table on pages 10 and 11.*
[2] *Deck B only.*
[3] *Multi disc changer only.*
[4] *RMS/START.*

Table of operations that appear when you press the SUB button

Press the SUB button to display a list of operations that the corresponding buttons are not found on the remote. The contents of the lists will vary according to the currently selected component. The following table shows the items in each list and the function of each item.

Component	Item(s)	Function
VCR	REC	Starts recording
	DISPLAY	Selects information displayed on the TV screen
	INPUT SEL.	Changes the input mode of the VCR
	ANT TV/VTR	Selects the signal to be output from the antenna terminal of the VCR (TV signal or video signal)
	SP/LP	Selects the playback speed
Satellite tuner	GUIDE	Displays the SAT guide
	JUMP	Toggles between the previous and current channels
	DISPLAY	Selects information displayed on the TV screen
	FAVORITE	Displays the Favorite Station Guides
	CATEGORY	Displays the Guide Category list
	INDEX	Displays the Station Index
DVD player	DISPLAY	Selects information displayed on the TV screen
	TITLE	Displays the Title menu. For details on the menu operation, see "To perform title and set up menu operations on the DVD player" on page 11.
	SET UP	Displays the Set up menu. For details on the menu operation, see "To perform title and set up menu operations on the DVD player" on page 11.
	S.TITLE CHG	Changes the Subtitle Language
	SUBTITLE	Displays the Subtitles
	AUDIO CHG.	Changes the sounds
	SEARCH MODE	Changes the search mode
	CLEAR	Returns to the Continuous Play etc.
	INDEX +	Selects a index
	INDEX –	

Component	Item(s)	Function
LD Player	SIDE A[a)]	Selects side A of the disc
	SIDE B[a)]	Selects the side B of the disc
	DISPLAY	Selects information displayed on the TV screen
	PROGRAM	Programs the tracks
	REPEAT	Repeats current track or programmed tracks
TV	MUTING	Mutes the sound
	VOL +	Raises the volume
	VOL –	lowers the volume
	JUMP	Toggles between the previous and current channels
	DISPLAY	Selects information displayed on the TV screen
	TV/VTR	Changes the input mode of the TV
	P IN P	Activates the picture-in picture function[b)]
	POSITION	Changes the position of the small picture[b)]
	SWAP	Swaps the small and large pictures[b)]
	WIDE	Selects the wide-picture mode[c)]
	SUB CH +	Selects preset channels for the small picture[b)]
	SUB CH –	
Cable box		
Tuner	FM/AM	Selects the FM or AM band
VIDEO CD Player	TIME	Changes the time information
	INDEX +	Selects a index
	INDEX –	
CD Player	DISC	Selects a disc[d)]
	TRACK	Selects a track[d)]
	CONTINUE	Selects Continuous Play
	SHUFFLE	Selects Shuffle Play
	PROGRAM	Selects Program Play
	REPEAT	Selects Repeat Play

Component	Item(s)	Function
MD deck	CONTINUE	Selects Continuous Play
	SHUFFLE	Selects Shuffle Play
	PROGRAM	Selects Program Play
	REPEAT	Selects Repeat Play
	DISPLAY	Changes the information on the display
	MENU/NO (EDIT)	Selects editing operation or cancels editing
	YES	Performs editing operation
	REC	Pauses for recording
DAT deck	REC	Pauses for recording
	REPEAT	Starts Repeat Play
	CLEAR	Erases a track in the program etc.
Tape deck	A-REC	Makes deck A pause for recording
	B-REC	Makes deck B pause for recording
Projector	POWER ON	Turn on the projector
	POWER OFF	Turn off the projector
	INPUT A	Switch to the input from INPUT A jacks
	INPUT B	Switch to the input from INPUT B jacks
	INPUT VIDEO	Switch to the input from VIDEO jacks
	INPUT SELECT	Switch to the input from VIDEO IN or S VIDEO IN jacks
	MEMORY	Store the adjusted data in memory
	BRIGHT +	Adjust the brightness
	BRIGHT –	
	CONTRAST +	Adjust the contrast
	CONTRAST –	
	ZOOM +	Adjust the zoom of the picture
	ZOOM –	
	SHIFT +	Adjust the lens shift of the picture
	SHIFT –	
	FOCUS +	Adjust the focus of the picture
	FOCUS –	

a) "SIDE A/B" appears for non-Sony LD players.
b) Only with Sony TVs with the picture-in-picture function.
c) Only with Sony TVs that supports the wide-picture mode.
d) Only with the Sony CD changer.

Note

If you have programmed the remote to control non-Sony components, note the following:

— All the items may not appear when you select a component.
— All the items displayed may not function.

To perform title and set up menu operations on the DVD player

1 Select the DVD player from the function list.

2 Press SUB.

3 Move the easy scroll key to select "TITLE" (for the title menu) or "SET UP" (for the set up menu), then press the key to enter the selection.

4 Open up the cover on the remote and move the easy scroll key to select "DVD" from the CURSOR TYPE list, then press the key to enter the selection.

5 Use the cursor buttons and the EXECUTE button to perform menu operations on the DVD player.

To exit the menu operation

1 Close the cover on the remote.

2 Press SUB.

3 Move the easy scroll key to select "TITLE" or "SET UP", then press the key to enter the selection.

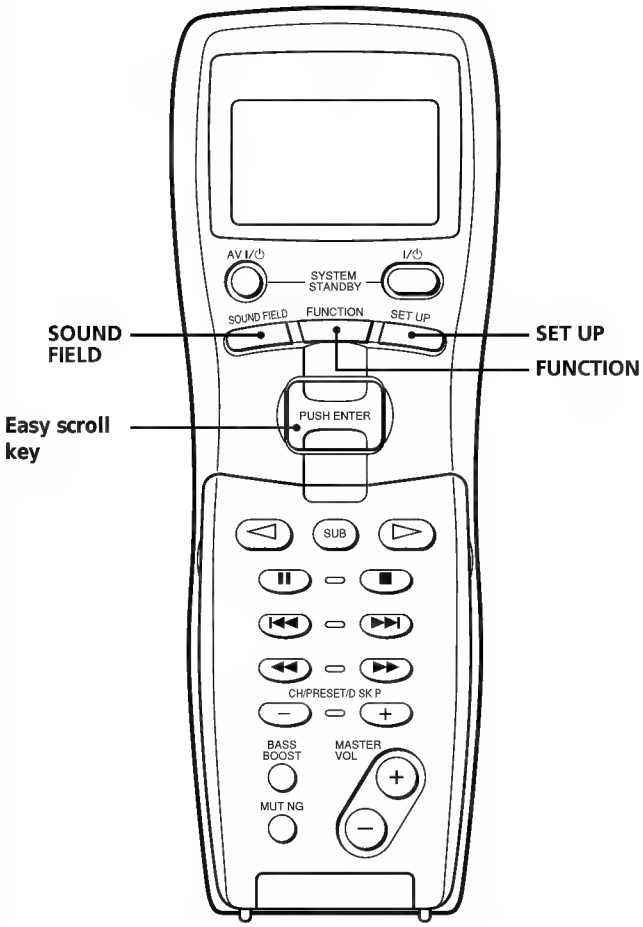
To display the DVD menu, use the MENU button. For details, see "18 MENU button" on page 7.

You can freely assign codes to SUB1 through SUB5

Select when you transmit learned codes. For details, see "Learning the Commands of your components" on page 18.

Using the Lists

This chapter describes how to display and use various lists. It also includes a chart showing all of the various lists.



Brief descriptions of buttons for list operations

SOUND FIELD button: Press to display the sound field list. Press again to revert back to the component information.

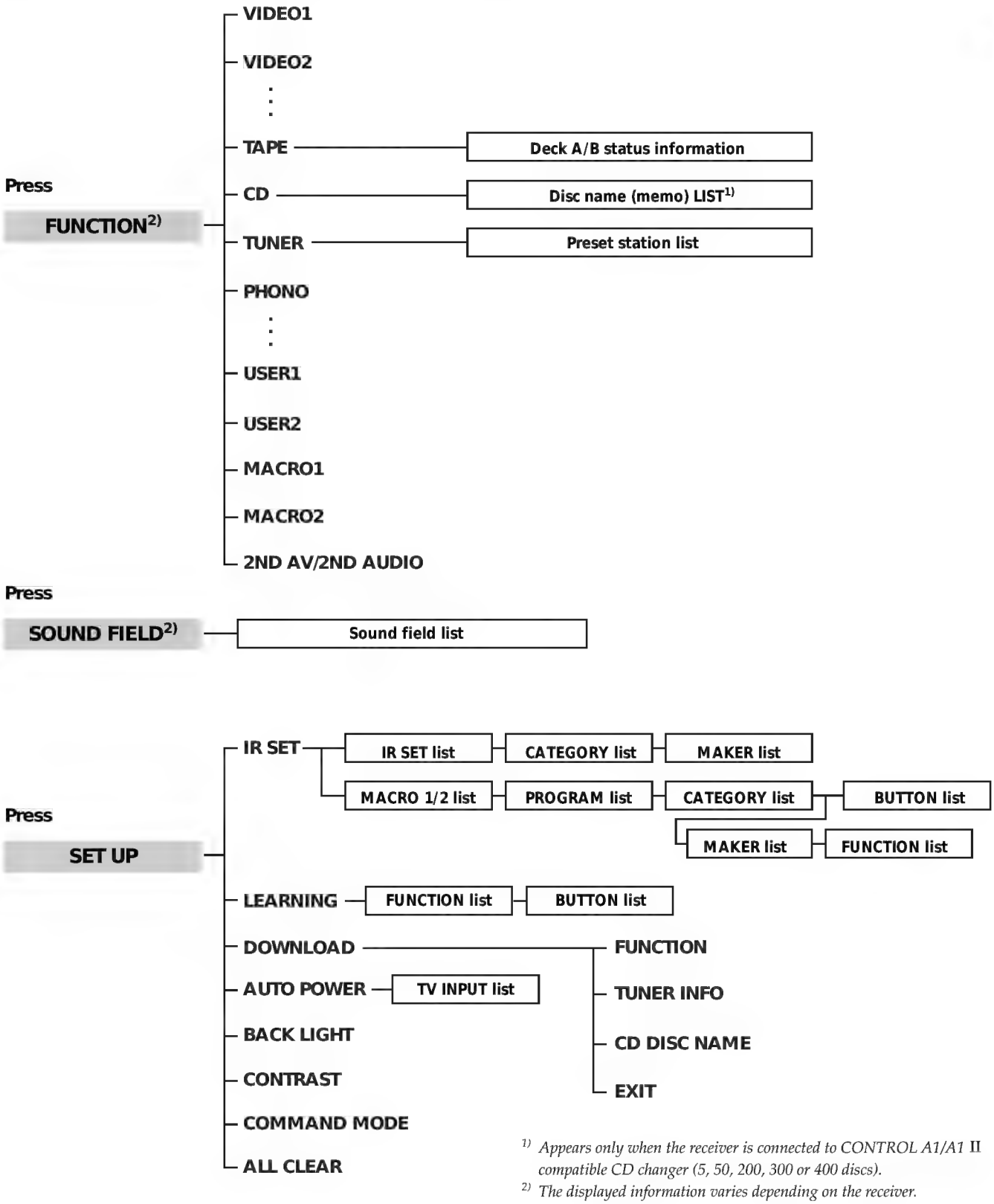
FUNCTION button: Press to display the function (component) list. Press again to revert back to the component information.

SET UP button: Press to display the set up list. Press again to revert back to the component information.

Easy scroll key: While displaying a list, move this key up or down to select an item from the list, then press the key to enter the selection.

Chart of Lists

See the treelike chart below for the list hierarchy. Details on how to access each list is given from page 14. Some items have sub-lists that appear when you press the SUB button (see pages 10 and 11).
The configuration of the lists will vary depending on the receiver.



1) *Appears only when the receiver is connected to CONTROL A1/A1 II compatible CD changer (5, 50, 200, 300 or 400 discs).*
2) *The displayed information varies depending on the receiver.*

Selecting a Component

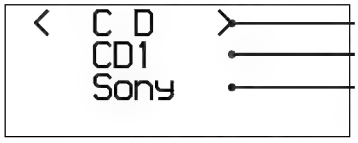
Basic procedure for selecting a component

Do the procedure below to select a component from the function list. Note that the components contained in the list will vary depending on the receiver.

1 Press FUNCTION.
The function list appears. The items in the list correspond with the jacks on the receiver.

2 Move the easy scroll key to select a component from the list, then press the key to enter the selection.
Information about the component appears in the display window.

A display example



You can modify the category indication

The category indication tells you what component is actually connected to the jacks on the receiver. If a component is connected to jacks for which they are not originally meant, you can modify the category indication to match the component. For details, see "Programming the Remote" on page 16.

You can turn components on automatically

You can set the remote to automatically turn on a component when it is selected from the function list. For details, see "Using the auto power function" on page 21.

Depending on the component that you selected, you may have to do an additional procedure, or you may be able to obtain detailed information about the component by doing an additional procedure. For details, see "Additional procedures after selecting a component" on this page.

Additional procedures after selecting a component

If you have selected tuner

Do the procedure below after you have selected the tuner.

1 Move the easy scroll key.
The preset station list appears.

2 Move the easy scroll key to select the preset station, then press the key to enter the selection.
The current status of the component appears in the display window.

Note

If you have changed the contents of the preset station memory of the receiver, be sure to download the preset station memory from the receiver (see page 19) before you tune in to a preset station.

If you have selected CD player, tape deck, or MD deck

Detailed information about the component appears in the display window of the remote only if the component is compatible with CONTROL A1/A1 II.
The information that appears is as follows:

If you have selected	The following information appears
CD player	The first 12 characters of the disc memo, track number, and track text
MD deck	The first 12 characters of the disc name, track number, and track name
tape deck, CD player, or MD deck	The current deck operation (►, ❚❚ or ■) to the right of the component indication

If you selected a Sony CD changer

1 Move the easy scroll key.
The DISC MEMO list appears.

2 Move the easy scroll key to select a disc, then press the key to enter the selection.

3 Start playback.

Note

If you have changed the discs in the changer, be sure to download the CD memos from the receiver (see page 19) or play the newly inserted disc(s) before you select a disc from the changer.

If you selected the tape deck

Move the easy scroll key to display the information about deck A or B.

Note

When the remote is programmed to control a non-Sony tape deck, the following may occur:

— The information about deck B is not displayed and you cannot switch between tape deck A and B.

— "TAPE A/B" is displayed and tape deck A and B switch automatically each time you press the easy scroll key, etc.

If you selected the 2ND AV/2ND AUDIO source

Move the easy scroll key to select the source of 2ND AV/2ND AUDIO, then press the key.

Note

Depending on the component you are using, "2ND AUDIO" or "2ND AV" may not be displayed.

Selecting a Sound Field

Do the procedure below to select a sound field from the sound field list. Note that the sound fields contained in each list will vary depending on the receiver.

1 Press SOUND FIELD.

The sound field list appears.

2 Move the easy scroll key to select the sound field, then press the key to enter the selection.

A display example

```
 NORMAL SURROUND
 CINEMA ST.EX.A
 CINEMA ST.EX.B
→CINEMA ST.EX.C
```

To turn off the sound field

Move the easy scroll key to select either "2CH STEREO" or "A.F.D." in the sound field list in the display. The sound field list that is displayed is different depending on the model.

Programming the Remote

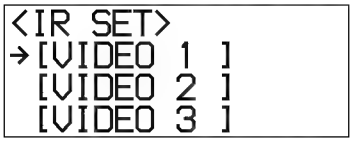
You can customize the remote to match the components connected to your receiver. You can even program the remote to control non-Sony components and also Sony components that the remote is normally unable to control. The procedure below uses as an example a case in which a Kenwood LD player is connected to the VIDEO 2 jacks on the receiver.

Before you begin note that:
— You cannot change the settings of TUNER and PHONO.
— The remote can control only components that accept infrared wireless control signals.

Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.

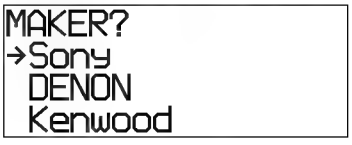
1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "IR SET," then press the key to enter the selection.
The IR SET list appears.



3 Move the easy scroll key to select the component ("VIDEO 2," for example), then press the key to enter the selection.
The CATEGORY list appears.

4 Move the easy scroll key to select the category (i.e., the component that is actually connected to the corresponding jacks; in this case, "LD"), then press the key to enter the selection.
The MAKER list appears.



5 Move the easy scroll key to select the maker of the component ("Kenwood," for example), then press the key to enter the selection.

When programming the remote to control Sony component
Select "Sony."

Programming is now completed.

To cancel programming

Move the easy scroll key to select "EXIT" from the IR SET list, or "CANCEL" from the CATEGORY list or MAKER list, then press the key to enter the selection.

You can freely assign any component to USER 1 and 2 items in the IR SET list

1 Do Steps 1 and 2 in "Programming the Remote".

2 Move the easy scroll key to select "USER 1" or "USER 2," then press the key to enter the selection.

3 Continue from Step 3 in "Programming the Remote" to select the category and maker of the component.

Note

If you select "IR SET" for a component that already has a learned button setting, the learned codes for that component are cleared. Furthermore, if the cleared learned button is used in a Macro Play setting, the setting for that button will be changed to "NO SET".

Performing Several Commands in Sequence Automatically (Macro Play)

The Macro Play function lets you link several IR codes in a sequential order as a single command. The remote provides 2 macro lists (MACRO 1 and 2). You can specify up to 8 IR codes for each macro list.

Setting the sequence of IR codes

1 Press SET UP.
The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 AUTO POWER
```

2 Move the easy scroll key to select "IR SET," then press the key to enter the selection.
The IR SET list appears.

```
<IR SET>
→[ MACRO 1 ]
 [ MACRO 2 ]
 EXIT
```

3 Move the easy scroll key to select "MACRO 1" (or "MACRO 2"), then press the key to enter the selection.
The PROGRAM list appears.

```
Program No.?
→Macro 1-1
 Macro 1-2
 Macro 1-3
```

4 Move the easy scroll key to select the macro step number ("Macro 1-1" for example) then press the key to enter the selection.
The CATEGORY list appears.

```
CATEGORY?
→Button
 VCR
 T V
```

5 Move the easy scroll key to select the component category ("VCR" for example) then press the key to enter the selection.
The MAKER list appears.

```
MAKER?
→Sony VTR1
 Sony VTR2
 Sony VTR3
```

6 Move the easy scroll key to select the maker, then press the key to enter the selection.
The FUNCTION list appears.

```
FUNCTION?
→* NO SET
 * ALL/OFF
 * WAIT TIME
```

7 Move the easy scroll key to select the IR code for the operation you want to perform, then press the key to enter the selection.
The PROGRAM list reappears.

```
Program No.?
→Macro 1-1 ■
 Macro 1-2
 Macro 1-3
```

8 Repeat steps 4 through 7 to program up to 8 IR codes.
When you have finished programming IR codes, select "EXIT" in step 7.

To use learned codes under the Macro Play function

Move the easy scroll key to select "Button" in step 4, then press the key to enter selection.
Similarly, move the easy scroll key to select the button of the learned codes. When selecting a button, you can press the button directly, instead of scrolling down the list, to jump to the desired button in the list and transmit the IR code.

To cancel programming

Move the easy scroll key to select "EXIT" or "CANCEL" during any step, then press the key to enter the selection.

To erase a programmed IR code

Move the easy scroll key to select "NO SET" from the FUNCTION list, then press the key to enter the selection.

To turn off all connected Sony components (SYSTEM STANDBY)

Move the easy scroll key to select "ALL OFF" from the FUNCTION list, then press the key to enter the selection. However, this function cannot apply to some Sony components.

To delay the output of an IR code

Move the easy scroll key to select "WAIT TIME" from the FUNCTION list, then press the key to enter the selection. This allows you to specify a 1 to 10 second delay (in 1 second increments) before outputting the IR code.

Performing Several Commands in Sequence Automatically (Macro Play)

In step 6, when "*" is displayed in front of the function
The function is pre-programmed.

In step 3 and 7, when "■" is displayed after the program number.
The codes have already been programmed.

Note
If you select "IR SET" for a component that already has a learned button setting, the learned codes for that component are cleared. Furthermore, if the cleared learned button is used in a Macro Play setting, the setting for that button will be changed to "NO SET".

Starting macro play

1 **Press FUNCTION.**
The function list appears.

```
  C D
→TUNER
 PHONO
 5.1CH
```

2 **Move the easy scroll key to select "MACRO 1" or "MACRO 2", then press the key to enter the selection.**
The IR codes appear in the display window as they are performed.

Notes
- Pressing any of the following buttons during a macro play operation will cancel the macro play sequence before it is complete.
  - AV I/⏻
  - I/⏻
  - SYSTEM STANDBY
  - SOUND FIELD
  - FUNCTION
  - SET UP
- When the Macro Play function does not work properly, set "WAIT TIME" between each operation.

Learning the Commands of your components

By using the Learning function, it is possible for this commander to perform learned operations.

Setting remote control codes that are not stored in the commander

When a remote control code is not one of the presets stored in the commander, it is possible for the commander to learn the code using the Learning function.

1 **Press SET UP and move the easy scroll key to select "LEARNING", then press the key to enter the selection.**
The function list appears.

```
<LEARNING>
 [VIDEO 1 ]
→[VIDEO 2 ]
 [VIDEO 3 ]
```

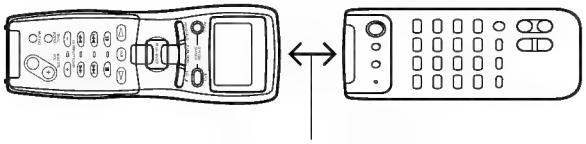
2 **Move the easy scroll key to select the function you want to use the Learning function, then press the key to enter the selection.**
The button list appears.

```
Button[VIDEO 2 ]
 *POWER
→■REVERSE
 *PLAY
```

3 **Move the easy scroll key to select the button you want to use for the Learning function, then press the key to enter the selection.**
The learning display appears.

```
[VIDEO 2 ]          ← Function
■(REVERSE)          ← Button
→LEARNING Start
 CLEAR
```

4 **Point the remote code receiver section of the commander toward the receiver/transmitter on the remote control to be learned.**



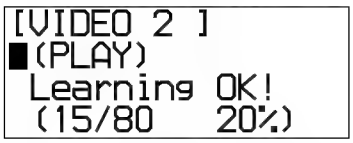
About 5 cm ~ 15 cm

5 **Move the easy scroll key to select "Learning Start", then press the key to enter the selection.**
"Learning Now!!" is displayed.

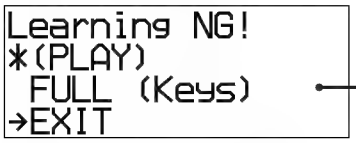
6 Press the appropriate button on the remote control to send the remote control code.

Lightly pressing the button once should be sufficient. In about 3 to 5 seconds, it is displayed whether learning was successful or not.

When the learning completes successfully, "Learning OK!", the number of keys, and the capacity used for learning are displayed.



When the learning does not complete successfully, the cause is displayed.



information*

*** FULL (Keys): shortage of buttons**
FULL (memory): shortage of memory
ERROR: other causes

To cancel learning

Move the easy scroll key to select "EXIT" or "CANCEL" during any step, then press the key to enter the selection.

To erase the learned code

In step 6 above, Move the easy scroll key to select "CLEAR", then press the key to enter the selection. The number of buttons and the capacity used for learning are displayed.

The marks that are displayed in front of the button name indicate the following

■ : already learned
✱ : pre-programmed

In step 3, learned buttons can be selected directly

If you press the button you want to use for the Learned function, the list will jump to the same button.

The Learned function can be applied to the SUB menus

SUB 1 ~ SUB 5 can be learned.

Notes

- You can program up to 80 buttons for the Learned function. In some cases, you may not be able to program even if you have not programmed 80 buttons.
- If you select "IR SET" for a component that already has a learned button setting, the learned codes for that component are cleared. Furthermore, if the cleared learned button is used in a Macro Play setting, the setting for that button will be changed to "NO SET".

Using a command that has been learned

When selecting a learned function, press the button used to learn that function.

Downloading Data From the Receiver

The remote communicates with the receiver every time a button is pressed on the remote and displays the current operation status of the receiver on the display window. The remote can also download index names of the program sources, preset stations, CD disc names (memos)*, and information indicating the presence or absence of a CD in each slot of a CD changer* from the receiver.

* *Appears only when you have selected a Sony CD changer (5, 50, 200, 300, or 400 discs) connected to the receiver using the CONTROL A1 cable.*

Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.

1 Press SET UP.

The set up list appears.

2 Move the easy scroll key to select "DOWNLOAD," then press the key to enter the selection.

The DOWNLOAD list appears.

3 To download index names

Move the easy scroll key to select "FUNCTION," then press the key to enter the selection.

To download preset stations

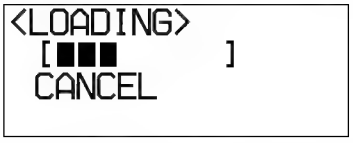
Move the easy scroll key to select "TUNER INFO," then press the key to enter the selection.

To download CD disc names (memos) and information on the presence or absence of a CD in each slot of a CD changer

1 Move the easy scroll key to select "CD DISC NAME," then press the key to enter the selection.
The SORT menu appears in the display.

2 Move the easy scroll key to select "NUMBER" or "ALPHABET," then press the key to enter the selection.

The remote starts to download the data.



To cancel the downloading process

Move the easy scroll key to select "EXIT" from the DOWNLOAD list, then press the key to enter the selection.

Notes

- If you have changed the discs in the CD changer, be sure to download the CD disc names (memos) from the receiver or play the newly inserted disc(s) before you select a disc from the changer.
- You can download the data only from the Sony CD changer (5, 50, 200, 300, or 400 discs) connected to the receiver using the CONTROL A1 cable.
- CD DISC NAME is available for up to 400 discs when COMMAND MODE is set to "CD 1" or "CD 2". When COMMAND MODE is set to "CD 3", CD DISC NAME is only available for 1 CD.

Note on downloading CD disc names from the CD players

You can download CD disc names (memos) only from the CONTROL A1/A1II-compatible Sony CD players. Depending on the CD player setting, it may take several minutes to download CD disc names (memos). For faster transmission, make the following CD player settings.

When an CONTROL A1/A1II-compatible Sony CD player is connected to the receiver

Check the following:

- The category for the CD function in the IR SET list is set to "CD1."
- The category for all other functions in the IR SET list is not set to "CD2."

You can check the current category setting by selecting a component from the function list (see page 14). Category indication appears on the second column in the display window.

When multiple CONTROL A1/A1II-compatible Sony CD players are connected to the receiver

When you use two CD players, set the COMMAND MODE selector on the back panel of the CD players to "CD1" or "CD2," respectively, and set the category in the IR SET list to match the corresponding player's COMMAND MODE selector position (see page 16). When you use three CD players, set the COMMAND MODE selector to "CD1," "CD2," or "CD3," respectively, and set the category in the IR SET list to match the corresponding player's COMMAND MODE selector position.

When setting category for the CD players, do not skip the number or select the same number to the multiple players.

When an CONTROL A1/A1II-compatible Sony CD player and a non-compatible Sony CD player are connected to the receiver

Set the COMMAND MODE selector on the back panel of the CONTROL A1/A1II-compatible CD player to "CD2" and set the category in the IR SET list for the player to "CD2" (see page 16).

Set the COMMAND MODE selector on the back panel of the non-compatible CD player to "CD1" and set the category in the IR SET list for the player to "CD1" (see page 16).

Before downloading CD disc names (memos) from the CONTROL A1/A1II-compatible CD player, temporarily change the category setting of the non-compatible CD player to some other category ("VideoCD," for example). After downloading is completed, set the category setting of the non-compatible CD player to "CD1" again.

When using a non-Sony CD player in conjunction with Sony CD players

Program the remote to control the non-Sony CD player (see page 16).

See the sections above for settings of the Sony CD players.

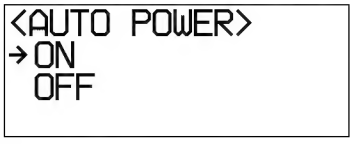
Other Operations

Using the auto power function

With the auto power function turned on, the commander sends numerous codes to the appropriate Sony AV components when you select a video function. Automatically, the components and the TV you have done IR setting turn on and the TV switches to the selected input mode. This function works for Sony components only.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "AUTO POWER", then press the key to enter the selection.
The AUTO POWER list appears .



3 Move the easy scroll key to select "ON" or "OFF", then press the key to enter the selection.

4 When you select "ON", move the easy scroll key to select the video input of the TV, then press the key to enter the selection.

Note
Switching to VIDEO 1~4 input may not be automatic on all Sony TVs. This is because some TVs cannot receive remote control codes immediately after being turned on.

Turning the backlight on or off

Each time you press a button on the remote, the backlight turns on. If you do the procedure below to turn off the backlight, you can make the batteries last longer.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "BACK LIGHT," then press the key to enter the selection.
The BACK LIGHT list appears .

3 Move the easy scroll key to select "ON" or "OFF," then press the key to enter the selection.

Adjusting the contrast of the display

You can adjust the contrast of the display.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "CONTRAST", then press the key to enter the selection.

3 Move the easy scroll key to select "+" or "-", then press the key to enter the selection.

To cancel adjusting
Select "EXIT" in step 3.

Switching the COMMAND MODE

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "COMMAND MODE", then press the key to enter the selection.

3 Move the easy scroll key to select "AV SYSTEM1" or "AV SYSTEM2", then press the key to enter the selection.

4 Move the easy scroll key to select "YES", the press the key to enter the selection.

Clearing all the contents of remote's memory

Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "ALL CLEAR", then press the key to enter the selection.

3 Move the easy scroll key to select "YES", then press the key to enter the selection.
"CLEAR OK?" appears.

4 Move the easy scroll key to select "YES" again, then press the key.
All the contents of the remote's memory (i.e., all the programmed data) are cleared.

Additional Information

Troubleshooting

If you experience any of the following difficulties while using the remote, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

The remote does not function.

- ➡ Point the remote at the remote sensor on the receiver.
- ➡ Remove any obstacles in the path between the remote and the receiver.
- ➡ Replace all the batteries in the remote with new ones, if they are weak.
- ➡ If the receiver's COMMAND MODE and the remote's COMMAND MODE do not match, transmission is not possible between the remote and the receiver.
- ➡ Make sure you select the correct function on the remote.
- ➡ When you operate a programmed non-Sony component, the remote may not function properly depending on the model and the make of the component.

The component names appearing in the function list do not correspond to the jacks on the receiver./The sound field list does not appear.

- ➡ The remote has not been initialized. Turn on the receiver, point the remote at the receiver, and press the SOUND FIELD, FUNCTION, or SUB button on the remote (see page 3).

The SOUND FIELD button does not work.

- ➡ If the receiver has the 5.1CH (/DVD) INPUT jacks, the SOUND FIELD button becomes inoperable whenever you select the component connected to these jacks.

appears in the display window of the remote.

- ➡ The batteries are running out. Replace all the batteries with new ones.

The function names that appear in the display windows of the receiver and the remote are different.

- ➡ Select the correct function using the remote.

When the CD player, tape deck, or MD deck is connected to the receiver via CONTROL A1/A1II jacks, Auto Function does not work properly.

- ➡ Reprogram the remote (see page 16).

"5.1CH" cannot be selected from the function list even though the receiver has 5.1CH (/DVD) INPUT jacks.

- ➡ A communication error has occurred. Point the remote towards the receiver and select "5.1CH" from the function list again.

Specifications

General

Remote control system	Infrared control
Power requirements	4.5 V DC with three LR6 (size-AA) alkaline batteries
Dimensions	175 × 62 × 33 mm
Mass (approx.)	135 g excluding batteries

Design and specifications are subject to change without notice.

Sony Corporation Printed in Malaysia